Index of Claims

| Application/Contro | l No. |
|--------------------|-------|
|--------------------|-------|

10/796,098

Examiner

Douglas A. Wille

Applicant(s)/Patent under Reexamination

KIM ET AL.

Art Unit

2814

✓ Rejected= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected
I Interference

A Appeal
O Objected

| Cla | im | Date | | | | | | | \neg | |
|----------------|----------------------------|---------|--------|---|--------|---|--|--|--------|----------|
| Cir | | Date | | | | | | | | \dashv |
| Final | Original | 4/14/05 | | | | | | | | |
| | 1 | | | | | | | | | |
| | 1 2 3 4 5 | | | | | | | | | |
| | 3 | | | | | | | | | |
| | 4 | | | | | | | | | |
| | 5 | | | | | | | | | |
| | 6 7 | | | | | | | | | |
| | | | | | | | | | | |
| | 8 | | | | | | | | | |
| | 9 | | | | | | | | | |
| | 10 | | | | | | | | | |
| | 11 | | | | | | | | | |
| | 12 | | | | | | | | | |
| | 11 12 13 14 15 | | | | | | | | | |
| | 14 | | | | | | | | | |
| 1 | 15 | = | | | | | | | | |
| 2 | 16 17 18 19 | = | | | | | | | | |
| | 17 | Ξ | | | | | | | | |
| 3 | 18 | = | | Г | | - | | | | |
| 5 | 19 | = | | | | | | | | |
| 6 | 20 | = | | | | | | | | |
| 7 | 21 | Ξ | | | | | | | | |
| 8 | 21 22 | = | | П | | | | | | |
| 9 | 23 24 | = | | | | | | | | |
| 10 | 24 | = | | | | | | | | |
| 11 12 13 | 25 | Ξ | | | | | | | | |
| 12 | 26 | = | | | | | | | | |
| 13 | 27 | = | | | | | | | | |
| 14 15 | 28 29 30 | = | | | | | | | | |
| 15 | 29 | = | | | | | | | | |
| 16 | 30 | = | | | | | | | | |
| 17 | 31 | = | | | | | | | | |
| 18 | 32 | = | | | | | | | | |
| 19 | 33 | Ξ | | | | | | | | |
| 20 21 | 34 | Ξ | | | | | | | | |
| 21 | 35 | Ξ | | | | | | | | |
| 22 23 24 | 36 | = | Ĺ | L | | L | | | | \Box |
| 23 | 37 | = | | | | L | | | | Ш |
| 24 | 38 | Ξ | | | | | | | | Ш |
| 25 | 39 | Ξ | | | | | | | | |
| 26 | 40 | Ξ | | | | | | | | \Box |
| 27 | 41 | 匡 | | | L | | | | | |
| 28 | 42 | = | Ē | | L | | | | | |
| 29 | 43 | Ξ | | | | | | | | Ш |
| 30 | 44 | Ξ | | | | | | | | |
| 31 | 45 | = | | | | | | | | \Box |
| 32 | 46 | = | | | | | | | | Ш |
| | 47 | | | | | | | | | Ш |
| | 48 | | | | | | | | | |
| L | 49 | 匚 | \Box | | \Box | | | | | |
| | 50 | 匚 | L_ | | L | | | | | |

| Cla | im | | | | - [| Date | | | | |
|----------|----------|--------------|--|----------|----------|----------|----------|----------|----------|----------|
| | 1 | | | | | | | | | |
| Final | Original | | | | | | | | | |
| <u> </u> | | | | | | | | _ | _ | _ |
| <u> </u> | 51 52 | _ | - | | \vdash | - | | | | |
| | 53 | \vdash | Н | \vdash | _ | \vdash | _ | | | |
| | 54 | | | | | | | _ | | |
| | 54 55 | | | | | | | | | |
| | 56 | | | | | | | | | |
| | 57 | | | | | | | | _ | |
| ļ | 58 | | | | _ | _ | _ | _ | | |
| | 59 60 | \vdash | H | | | | _ | | _ | |
| | 61 | ┝ | \vdash | | - | | | | <u> </u> | |
| | 62 | _ | | | Ť | | | | | |
| | 62 63 | | | | | | | | | |
| | 64 | | | | | | | | | |
| | 65 | | | | L | | | | | |
| <u> </u> | 66 | ╙ | _ | _ | _ | | | | | |
| - | 67 | <u> </u> | <u> </u> | - | - | | | | | <u> </u> |
| - | 68 69 | ├─ | ├ | | | _ | | | — | \vdash |
| | 70 | ⊢ | \vdash | _ | _ | | - | | _ | ┢ |
| | 71 | _ | | | _ | \vdash | | | | - |
| | 72 | | \vdash | | | | | | _ | |
| | 73 | | | | | | | | | |
| | 74 | L | <u> </u> | | | _ | | | _ | |
| | 75 | _ | ļ | | | | | | _ | |
| | 76 77 | <u> </u> | - | _ | _ | _ | - | _ | <u> </u> | |
| | 78 | - | _ | | - | - | - | _ | ⊢ | ┝ |
| - | 79 | - | \vdash | \vdash | \vdash | _ | _ | | | H |
| | 80 | \vdash | _ | Г | | | | | _ | |
| | 81 82 | | | | | | | | | |
| | 82 | | | 匚 | | | | | Ĺ | \Box |
| ļ | 83 | | | <u> </u> | L | L. | <u> </u> | | <u> </u> | _ |
| <u> </u> | 84 | - | - | | - | <u> </u> | | \vdash | <u> </u> | - |
| | 85 86 | - | - | - | ⊢ | - | _ | | - | \vdash |
| | 87 | \vdash | ┢ | ┢ | \vdash | - | \vdash | \vdash | \vdash | \vdash |
| - | 88 | _ | _ | \vdash | \vdash | - | \vdash | \vdash | \vdash | \vdash |
| | 89 | | | | | | | | | |
| | 90 | | | | | | | | | |
| | 91 | L | | _ | L | L | _ | | <u> </u> | _ |
| <u></u> | 92 | _ | <u> </u> | \vdash | <u> </u> | _ | Ë | <u> </u> | - | _ |
| <u></u> | 93 | | ⊢ | ⊢ | \vdash | - | - | _ | ⊢ | - |
| - | 94 95 | \vdash | - | - | | \vdash | - | _ | ├ | ⊢ |
| — | 96 | - | ╁ | - | \vdash | - | \vdash | - | \vdash | \vdash |
| - | 97 | \vdash | T | \vdash | \vdash | T | ┢ | Г | T | Г |
| | 98 | | | | | | | | | |
| | 99 | | | | | | | | | |
| | 100 | | | | | | | | | |

| Cla | Date | | | | | | | | | |
|--------------|--|------------------------------|--------------|----------------|--|--------------|--------------|--------------|----------|-----------------|
| | | | | | | | | | | |
| Final | Original | | | | | | | 1 | | |
| Ë | Öriç | | | | | | | | | |
| | | | | | | | | | | |
| | 101 102 | | | | | | | | | |
| | 102 | | | | | | | | | |
| | 103 | | | | | | | | | |
| | 103 104 105 | | | | | | _ | | _ | |
| | 105 | | | | | | | | | |
| | 106 | | | | | | | _ | L | |
| | 107 | _ | | | | | | | | Ш |
| | 108 | L | | _ | | | _ | | | Ш |
| | 109 | L | | L | | | <u> </u> | _ | | \Box |
| | 110 | | | Ш | | | L_ | | | |
| | 106 107 108 109 110 111 112 113 | L. | | _ | L | L | <u> </u> | | | Ш |
| | 112 | $ldsymbol{ldsymbol{\sqcup}}$ | lacksquare | <u> </u> | Ш | Ш | <u> </u> | <u> </u> | <u> </u> | |
| <u> </u> | 113 | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | ļ | | | Ш |
| | 114 | _ | | <u> </u> | \sqsubseteq | | ļ | | | Ш |
| ļ | 115 | <u> </u> | _ | <u> </u> | <u> </u> | ļ | <u> </u> | L | <u> </u> | Ш |
| | 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 | <u> </u> | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | | \vdash | Ш |
| ļ | 117 | - | _ | | L | ļ | _ | | <u> </u> | \sqcup |
| <u> </u> | 118 | <u> </u> | <u> </u> | <u> </u> | L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | \sqcup |
| <u> </u> | 119 | \vdash | | \vdash | <u> </u> | <u> </u> | <u> </u> | <u> </u> | | Щ |
| <u> </u> | 120 | \vdash | <u> </u> | <u> </u> | <u> </u> | ļ | _ | <u> </u> | _ | Ш |
| L | 121 | ļ | _ | | | | _ | <u> </u> | ļ | |
| | 122 | <u> </u> | _ | ┡ | | <u> </u> | | _ | ┝ | - |
| <u> </u> | 123 | | | _ | | <u> </u> | | ļ | <u> </u> | Ш |
| | 124 | | | <u> </u> | | <u> </u> | ļ | _ | | Ш |
| <u> </u> | 125 | <u> </u> | | <u> </u> | | | _ | _ | ļ | _ |
| | 126 | <u> </u> | _ | - | _ | | | <u> </u> | <u> </u> | Н |
| <u> </u> | 127 | _ | _ | | <u> </u> | <u> </u> | ļ | _ | _ | |
| ļ | 128 | _ | <u> </u> | <u> </u> | <u> </u> | _ | _ | | ⊢ | _ |
| ļ | 129 | | <u> </u> | - | _ | _ | _ | <u> </u> | - | \vdash |
| <u> </u> | 130 131 132 | <u> </u> | <u> </u> | | _ | | _ | - | ⊢ | Ш |
| | 131 | _ | | - | | - | ⊢ | ┝ | _ | Н |
| <u> </u> | 132 | ├- | _ | | | \vdash | \vdash | \vdash | ├ | Н |
| <u> </u> | 133 | \vdash | - | ├— | | <u> </u> | ⊢ | | ⊢ | $\mid - \mid$ |
| <u> </u> | 134 | | <u> </u> | | - | ├— | | \vdash | - | $\vdash \vdash$ |
| | 135 | - | \vdash | \vdash | - | | \vdash | \vdash | - | $\vdash \vdash$ |
| | 133 134 135 136 137 | \vdash | \vdash | \vdash | - | | ⊢ | | ⊢ | $\vdash\vdash$ |
| <u> </u> | 13/ | | ├- | \vdash | \vdash | ├- | \vdash | \vdash | | \vdash |
| | 138 139 | \vdash | \vdash | - | \vdash | ├ | ├- | ├ | | $\vdash \vdash$ |
| <u> </u> | 140 | ├ | | ╁ | \vdash | \vdash | | \vdash | \vdash | $\vdash\vdash$ |
| | 4 4 4 | - | - | - | | ⊢ | - | ├ | - | Н |
| | 141 | ├- | \vdash | \vdash | | \vdash | - | ├ | \vdash | Н |
| \vdash | 143 | \vdash | | \vdash | | - | \vdash | - | \vdash | H |
| | 143 | - | | ├ | | | \vdash | | \vdash | $\vdash\vdash$ |
| <u> </u> | 145 | ⊢ | ├ | ├ | _ | \vdash | ├─ | \vdash | | Н |
| | 145 | ╁ | \vdash | - | - | - | \vdash | \vdash | - | $\vdash \vdash$ |
| | 147 | - | \vdash | ₩ | \vdash | \vdash | ⊢ | ┢ | - | Н |
| - | 148 | \vdash | \vdash | ├ | \vdash | \vdash | ┢ | - | \vdash | Н |
| | 148 | ├ | \vdash | \vdash | ⊢ | \vdash | - | | ├ | $\vdash\vdash$ |
| | | - | \vdash | - | ├ | | | ⊢ | - | $\vdash\vdash$ |
| Щ | 150 | L_ | <u> </u> | <u></u> | L | L | i | | | ш |